



The Florida Times-Union - Jacksonville Journal
ONE RIVERSIDE AVENUE • POST OFFICE BOX 1037 • JACKSONVILLE, FLORIDA 32201 • AREA CODE 904 724-1111

Production Department

November 1, 1982

Ms. Nell Keever
Permit Section
U.S. Environmental Protection Agency
345 Courtland Street, N.E.
Atlanta, Georgia 30365

Dear Ms. Keever;

We were in error asking to be removed from E.P.A.'s list of Hazardous Waste Generators. Mr. Michael J. Fitzsimmons, State of Florida Department of Environmental Regulation, St. Johns River Subdistrict, inspected our facilities May 13, 1982, and, at that time, stated we were not a hazardous waste generator. Our letter dated July 2, 1982, asked to have Florida Publishing Company's E.P.A. Hazardous Waste Generator Identification Number rescinded, however, Mr. Fitzsimmons informed us on June 23, 1982, that waste mineral spirit, used for cleaning, is hazardous, by characteristic of its ignitability (105°). We need, therefore, to retain our E.P.A. number FLD.004070207.

Thank you, in advance, for your cooperation in this matter.

Yours truly,

FLORIDA PUBLISHING COMPANY

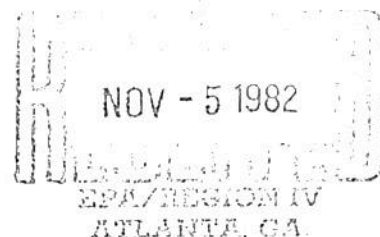
Wade H. Cason

Vice-President, Production WASTE ENGINEERING

WHC/sc



FLORIDA PUBLISHING COMPANY



III. As a generator of hazardous waste in Florida, I would like to apply for an exemption from the tax on hazardous waste generators in accordance with Chapter 208, Florida Statutes. In order for this application to be complete, all information must be supplied as indicated in the application.

APPLICATION FOR GENERATOR'S CERTIFICATE OF EXEMPTION

Issued Pursuant to Tax on Generation of Hazardous Waste

Chapter 208, Florida Statutes

1. Generator Facility Name FLORIDA PUBLISHING COMPANY
Owner's Name SEABOARD COASTLINE RAILROAD
Business Location: Street 1 RIVERSIDE AVENUE
City JACKSONVILLE State FLORIDA Zip 32202
Mailing Address: Street 1 RIVERSIDE AVENUE
City JACKSONVILLE State FLORIDA Zip 32202
Business Telephone Number 904/359-4111
Generator EPA I.D. Number FLD 004070207

2. Describe the source and characteristic of the hazardous waste for which the exemption is sought (be as specific as possible) Mineral spirits is used to clean press, ink hoses & related equipment. The used mineral spirit is poured into a 1000 gallon tank, decanted and reused until they become so contaminated they are no longer usable. The mineral spirit is collected by Holloway Waste Oil Co., mixed with waste oil and sold as fuel.

3. EPA hazardous waste number FLD 098371172

4. Treatment Facility Name _____
Location: Street 4803 RAYFORD STREET
City JACKSONVILLE State FLORIDA Zip 32205
Mailing Address: Street 4803 RAYFORD STREET
City JACKSONVILLE State FLORIDA Zip 32205
Business Telephone Number 904/389-4800
Treatment Facility EPA I.D. Number _____
any current State or EPA permits by number _____

5. Describe the treatment process MIXED WITH WASTE OIL AND SOLD
AS FUEL.

(attach additional sheets, if necessary)

6. Attach chemical analysis of the hazardous waste to be treated and analysis of the waste stream and by-products resulting from the treatment process, and any other pertinent data on the treatment process (including trial burns).
7. The undersigned owner or operator of the treatment facility certifies that the treatment technology described above will be utilized for the specific wastes listed above.

F. C. Holloway
SIGNATURE OF FACILITY OWNER

OR OPERATOR

Floyd C. Holloway, (Owner)

HOLLOWAY WASTE OIL

NAME AND TITLE

10-29-82
DATE

The undersigned applicant certifies that statements made in this form and attached exhibits to this application are true, correct, and complete to the best of his knowledge and belief.

Wade H. Cason
SIGNATURE OF APPLICANT

Wade H. Cason

Vice-President Production

NAME AND TITLE

11-1-82
DATE

An applicant shall submit four (4) copies of the application to:

ENVIRONMENTAL ADMINISTRATOR
Solid Waste Section
Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32301

REVISION

9/1/82

RCRA COMPLIANCE INSPECTION REPORT
GENERATORS CHECKLIST

Note: On multiple part questions, check those not in compliance.

Section A - Site Identification No.

ONE RIVERSIDE AVENUE
JACKSONVILLE, FL.

1. Site Name: FLORIDA PUBLISHING COMPANY

32202

a. DER/EPA I.D. No. ELD004070207

Section B - Hazardous Waste Determination (262.11)

1. Does generator generate hazardous waste(s) listed in Subpart D (261.30 - 261.33 - List of Hazardous Waste)? Yes ☒ No

a. If yes, report in item 10.

2. Does generator generate solid waste(s) that exhibit hazardous characteristics? (corrosivity, ignitability, reactivity, EP toxicity) (261.20 - 261.24 - Characteristics of Hazardous Waste.)

IGNITABLE (D001) mineral spirit waste
flash point 105°F 1200 gallons/yr

☒ Yes No

a. If yes, list wastes and quantities in item 10.

b. Does generator determine characteristics by testing or by applying knowledge of processes? TECHNICAL SERVICES INC.

1. If determined by testing, did generator use test methods in Part 261, Subpart C (or Equivalent)? ☒ Yes No

2. If equivalent test methods used, attach copy of equivalent methods used.

3. Is generator exempted from regulation because of:

Small quantity generator (261.5 - Special requirements)

OR

Yes ☒ No

Produces non-hazardous waste at this time (261.4 - Exclusions)

Yes ☒ No

OR

Recycles, reclaims, uses or reuses hazardous waste at this time (261.6 - Exclusions)

☒ Yes No

OR

Being a farmer disposing of waste pesticides for his own use on his own property (262.51 - Farmers)

Yes ☒ No

Notification form
9/8/82
4

RCRA MAINTENANCE FORM

FACILITY NAME Florida Publishing Co ID # FLD004070207

F1 Notif. approval

Date notified _____
Permit app. approved _____
Date Part A r'cd _____
Facility name _____
Notif. confidential _____
Part A confidential _____
Closure date _____

F2 Contact name & pos. _____

Contact tele. # _____
Modif. under const. _____
Commercial fac. indic. _____
Non-reg. fac. indicator 1

F3 Mailing address _____

F4 Mailing city _____ State _____ Zip _____

F5 Facility address _____

County name _____

F6 Facility city _____

County code _____ State _____ Zip _____
District code _____ Drawings _____ Photos _____
Latitude _____ River Basin code _____ Longitude _____

F7 SIC _____

NEW SIC _____

F8 Facility operator name _____

Owner type _____

Activity codes: Gen. A Trans _____ TSD _____ UIC _____

Transport mode: Air _____ Rail _____ Hwy _____ Water _____ Other _____

Owner/Oper ind. _____ Facility status _____ RCRA permit stat _____

Existence date _____

F9 Type Permit number

Type New permit number

Type	Permit number	Type	New permit number
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET
ATLANTA, GEORGIA 30365

SEP 2 1982

4AW-RM

Mr. Wade Cason
Vice President, Production
Florida Publishing Company
One Riverside Avenue
Jacksonville, Florida 32202

Re: EPA I.D. #FLD004070207

Dear Mr. Cason:

This letter acknowledges receipt of your request to be removed from our hazardous waste activity list. Based on the information furnished by you, EPA agrees that the hazardous waste regulations apparently do not apply to your facility, therefore, you will be classified as a non-handler of hazardous waste.

EPA intends to retain your notification file within our data management system, so that, in the future, should the need arise, an EPA identification number will be available to you.

You should be aware that the state in which your facility is located has its own rules and regulations concerning hazardous waste. You should contact that office to insure that you are in compliance with their regulations.

If you require further information, please contact Nell Keever of my staff at (404)881-3446.

Sincerely yours,

James H. Scarbrough, Chief
Residuals Management Branch

cc: Solid Waste Section
Florida Department of Environmental Regulation
Twin Towers Office Building, Room 421
2600 Blair Stone Road
Tallahassee, Florida 32301

*Notification
File*

The Florida Times-Union Jacksonville Journal

WADE H. CASON
VICE PRESIDENT - PRODUCTION

July 2, 1982

Nell Keever
Permit Section
U. S. Environmental Protection Agency
345 Courtland Street, N. E.
Atlanta, Georgia 30365

Dear Ms. Keever:

Please let this letter serve as notice that we no longer have the need to retain our E.P.A. Hazardous Waste Generator Identification Number.

We do not generate hazardous waste at this time and do not anticipate to generate any in the future.

If you have any questions regarding this request, please contact Mr. Jimmy Bayer, Mechanical & Building Superintendent of Florida Publishing Company, at 359-4445.

Thank you in advance for your cooperation in this matter.

Yours truly,


Wade H. Cason

(attachment)

WHC/n

cc: A. J. Bayer
Theodore J. Crosby

DEPARTMENT OF ENVIRONMENTAL REGULATION

ST. JOHNS RIVER
SUBDISTRICT

3426 BILLS ROAD
JACKSONVILLE, FLORIDA 32207



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

G. DOUG DUTTON
SUBDISTRICT MANAGER

June 23, 1982

Mr. A. J. Bayer
Mechanical and Building Superintendent
The Florida Times-Union/Jacksonville Journal
Post Office Box 1949
Jacksonville, Florida 32201

Dear Mr. Bayer:

Duval County - HW
Inspection 13 May 1982
Florida Publishing Company

Reference is made to the subject hazardous waste inspection. This Department determined that Florida Publishing Company does not generate or otherwise handle hazardous waste at this time. A copy of the inspection report is attached.

Because Florida Publishing does not generate hazardous waste and does not expect to generate any in the future, there is no reason for Florida Publishing to retain an EPA hazardous waste generator identification number. If Florida Publishing decides that it no longer wants to keep its EPA identification number, it may withdraw its Notification of Hazardous Waste Activity application. The request for withdrawal should be addressed to:

Nell Keever
Permit Section
U.S. Environmental Protection Agency
345 Courtland Street, N.E.
Atlanta, GA 30365
Phone: 404/881-3446

If you have any questions concerning the report, please phone this office at 904/396-6959. Thank you for your cooperation.

Sincerely,

A handwritten signature in cursive script that reads "Michael J. Fitzsimmons".

Michael J. Fitzsimmons

MJF:vk
Enclosure
cc: Hazardous Waste Section, Tallahassee

DEPARTMENT OF ENVIRONMENTAL REGULATION

INTEROFFICE MEMORANDUM

Form 100 To: (For routing only) Title: (For filing only)	
To:	Location:
For:	Location:
For:	Location:
From:	Date:

ST. JOINS RIVER SUBDISTRICT, JACKSONVILLE

TO: Hazardous Waste Section, Tallahassee
THRU: Fred Birnie
FROM: Mike Fitzsimmons
DATE: June 23, 1982
SUBJECT: Duval County - HW
Florida Publishing Company
Inspection

Facility Information: Florida Publishing Company
One Riverside Avenue
Jacksonville, FL 32202
904/359-4446
FLD 004 070 207
Parent Company: Seaboard Coastline Railroad Company

Responsible Officials: Wade Cason, Vice President, Production
A. J. Bayer, Mechanical & Building Superintendent

Survey Participants: A. J. Bayer, Mechanical & Bldg. Supt.
Michael Fitzsimmons, FDER

Date of Inspection: May 13, 1982

Applicable Regulations: None, nongenerator

Facility Coordinates: Lat: 30° 19' 28"N Long: 81° 40' 08"W

Type of Ownership: Private

Purpose of Inspection: Routine hazardous waste generator inspection to determine whether this facility is complying with applicable RCRA regulations. This inspection was conducted in response to the Notification of Hazardous Waste Activity application submitted 11 August 1980 by Wade H. Cason, Vice President, Production.

Facility Description: Florida Publishing Company prints The Florida Times-Union and The Jacksonville Journal newspapers. The newspapers are printed on cold type off-set letter presses which utilize a direct

Florida Publishing Company
June 23, 1982
page two

lithographic printing process. The ink used to print the newspapers is nonhazardous. A copy of the EP toxicity analysis of the ink is attached. There is no ink waste generated. The used ink is filtered and recycled back to the letter presses. Mineral spirits and water are used to clean off the presses. The used mineral spirits are poured into 55 gal. drums. The heavy contaminants are allowed to settle out and then the mineral spirits are reused. The unusable mineral spirit waste is collected by Holloway Waste Oil Company and recycled. Waste newsprint paper is recycled to Alton Packaging. Similarly, waste film and aluminum plates used during the off-set printing process are sold by bid to reclaimers. All cooling water and wastewater from the printing process is discharged into the City of Jacksonville Sewage system.


The only other waste generated by Florida Publishing Company is dry spray dust from a paint spray booth which is used to repaint newspaper honor boxes (coin operated newspaper distribution boxes). The honor boxes are spray painted with Benjamin Moore blue and aluminum paints. Copies of the material safety data sheets for these paints are attached. Also attached are the material safety data sheets for the xylene solvents which are used by Benjamin Moore to thin the paints. Although the low flash points ($<140^{\circ}\text{F}$) listed on the material specification sheets show that the paint is ignitable, Florida Publishing Co. does not generate any ignitable liquid paint waste. The dry, solid paint waste, which is generated, is not hazardous by characteristic of its ignitability. The dry spray paint dust is placed in a dumpster and is disposed of locally in a landfill.

Narrative Explanation: Florida Publishing Company does not generate or otherwise handle hazardous waste. It is not anticipated that this facility will generate hazardous waste or require an EPA identification number in the future.

Past Disposal Practices: Prior to 1977, lead type was used to print the newspapers. The lead dross was shipped to a metal recycler.

Recommendation: No further action regarding RCRA compliance is recommended. There is no need for Florida Publishing Company to retain its EPA hazardous waste generator identification number.

 MJF:vk
Enclosure

cc: A. J. Bayer 

Site Name: Florida Publishing Company ID #: FLD 004 670 207
Address: One Riverside Ave
Jacksonville, FL 32202
Permit Info.: _____
Status: _____

Type Activity: Non handler (Treater-Storer-Disposer-Generator-Transporter)
INSPECTIONS: MINERAL SPIRITS Dool RECYCLE 261.6(a)
M.E.R. 7/1/82

Date Advised of Insp. _____

Date of Scheduled Insp. _____

Date Insp. Completed 13 June 1982

Date Insp. Report Rec'd.
In Tallahassee 30 June 1982

Date Insp. Report Forw'd.
To EPA _____

Date of Reinsp. if necessary _____

Inspected By: Mike Fitzsimmons

Part A-
Application Yes ☐ No ☒ (circle one)

Date Req'd.	Date Rec'd.	Date Issued/Denied
Part B- Application		

Contact
Comments: Wade Cason, V-P Production
(use back for additional comments)

OKPES
CAB

Disagree with Mike's conclusion that they are a non generator. They need to run a flash test on the mineral spirit waste. To check for ignitability and depending on that outcome will declare whether or not they are a generator at that point if a generator they are subject to 261.6(a) for recycling. M.E.R.

App. Req
→ 261.6(a)
No waste hnd.

OK M.E.R.
9/2/82

discussed 8/17/82 - Mike will contact company & then forward memo with appropriate ~~non handler~~ recycler exemption. - 9/1/82 Flashpoint is <140°F. Mike will forward copy of memo to company.

2/10/82

RCRA COMPLIANCE INSPECTION REPORT
GENERATORS CHECKLIST

Note: On multiple part questions, check those not in compliance.

Section A - Site Identification No.

ONE RIVERSIDE AVENUE
JACKSONVILLE, FL 32202

1. Site Name: FLORIDA PUBLISHING COMPANY

a. DER/EPA I.D. No. FLD004070207

Section B - Hazardous Waste Determination (262.11)

1. Does generator generate hazardous waste(s) listed in Subpart D (261.30 - 261.33 - List of Hazardous Waste)? ☐ Yes ☒ No

a. If yes, report in item 10.

2. Does generator generate solid waste(s) that exhibit hazardous characteristics? (corrosivity, ignitability, reactivity, EP toxicity) (261.20 - 261.24 - Characteristics of Hazardous Waste.)

☐ Yes ☒ No

a. If yes, list wastes and quantities in item 10.

b. Does generator determine characteristics by testing or by applying knowledge of processes?

1. If determined by testing, did generator use test methods in Part 261, Subpart C (or Equivalent)? ☐ Yes ☐ No

2. If equivalent test methods used, attach copy of equivalent methods used.

3. Is generator exempted from regulation because of:

Small quantity generator (261.5 - Special requirements)

OR

☐ Yes ☐ No

Produces non-hazardous waste at this time (261.4 - Exclusions)

OR

☐ Yes ☐ No

Recycles, reclaims, uses or reuses hazardous waste at this time (261.6 - Exclusions)

OR

☐ Yes ☐ No

Being a farmer disposing of waste pesticides for his own use on his own property (262.51 - Farmers)

☐ Yes ☐ No

Florida Publishing Company does not generate or otherwise handle hazardous waste.



TECHNICAL SERVICES, INC.
ENVIRONMENTAL CONSULTANTS — INDUSTRIAL CHEMISTS
105 STOCKTON STREET — P.O. BOX 52329
JACKSONVILLE, FLORIDA 32201
(904) 353-5761



Laboratory No. 37151

Oct. 7, 1980

Sample of Ink NON-HAZARDOUS

Date Received September 4, 1980

For Florida Publishing Company, #1 Riverside Avenue, Jacksonville, Florida 32202

Marks: Attention: Mr. Frank Wicks

CERTIFICATE OF ANALYSIS OR TESTS

P.O. #30160

	<u>E.P. Toxicity</u>	<u>Limits, mg/l</u>
Copper	0.043	100.0
Lead	0.028	5.00
Chromium	0.006	5.00
Cadmium	0.060	1.00
Nickel	0.011	-----
Selenium	0.021	1.00
Arsenic	0.019	1.00
Silver	0.013	5.00
Cyanide	<0.002	20.00
Mercury	<0.00002	0.200

Respectfully submitted,

TECHNICAL SERVICES, INC.

Harvey C. Gray, Jr.

MATERIAL SAFETY DATA SHEET

NPCA 1-7

FOR COATINGS, RESINS AND RELATED MATERIALS

(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20)

DATE OF PREP February 1980

Section I

MANUFACTURER'S NAME Benjamin Moore & Co.

STREET ADDRESS 51 Chestnut Ridge Road

CITY, STATE, AND ZIP CODE Montvale, N. J. 07645

EMERGENCY TELEPHONE NO. 201-344-1200

PRODUCT CLASS Solvent Thinned Paint

MANUFACTURER'S CODE IDENTIFICATION 071 21, 23, 33,
35, 45, 62, 82

TRADE NAME IronClad Quick-Dry Industrial Enamel

Section II - HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT	TLV		LEL	VAPOR PRESSURE
		PPM	mg/m ³		
Mineral Spirits	51-55	100		1.0%	1.0 mm Hg @ 68°F.

Section III - PHYSICAL DATA

OILING RANGE 313°F. - 405°F. VAPOR DENSITY ☒ HEAVIER. ☐ LIGHTER THAN AIR

VAPORATION RATE ☐ FASTER ☒ SLOWER THAN ETHER PERCENT VOLATILE BY VOLUME 62-65 WEIGHT PER GALLON 7.6-7.9 lbs.

Section IV - FIRE AND EXPLOSION HAZARD DATA

FIRE CATEGORY Combustible FLASH POINT 107°F. P.M.C.C. LEL 1.0%

EXTINGUISHING MEDIA Foam, dry chemical, CO₂, water spray.

UNUSUAL FIRE AND EXPLOSION HAZARDS

SPECIAL FIRE FIGHTING PROCEDURES Do not use water stream on burning liquids.
Cool exposed containers with water.

Section V – HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE See Section II
EFFECTS OF OVEREXPOSURE Inhalation – Respiratory irritation and central nervous system effect – Anesthetic.

Skin and Eye Contact – Primary irritation.

EMERGENCY AND FIRST AID PROCEDURES

Inhalation – Remove from hazard area, maintain breathing, call physician.

Eye Contact – Flush thoroughly with water. Call physician.

Skin Contact – Wash with mild soap and water.

Section VI – REACTIVITY DATA

STABILITY ☐ UNSTABLE ☒ STABLE

CONDITIONS TO AVOID

INCOMPATIBILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS Thermal decomposition may produce carbon monoxide and carbon dioxide

HAZARDOUS POLYMERIZATION ☐ MAY OCCUR ☒ WILL NOT OCCUR

CONDITIONS TO AVOID

Section VII – SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Remove all sources of ignition. Avoid breathing vapors. Use non-sparking tools to return material to container, absorb residue with fuller's earth.

WASTE DISPOSAL METHOD Conventional procedures in compliance with local, state and federal regulations. Do not incinerate sealed containers.

Section VIII – SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION

Use NIOSH approved respirator specified for protection against paint spray mist and organic vapors in restricted or confined areas.

VENTILATION Adequate to maintain working atmosphere below lowest T.L.V. and L.E.L. (See Section I for ingredient data and concentrations.) Mechanical exhaust may be required in confined areas. Discharge exhaust only in area away from ignition sources.

PROTECTIVE GLOVES Required during repeated contact.

EYE PROTECTION Safety glasses to protect against splashes.

OTHER PROTECTIVE EQUIPMENT Clothing adequate to protect skin.

Section IX – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Combustible – Keep away from heat and open flame.

OTHER PRECAUTIONS Use only with adequate ventilation.
Avoid prolonged contact with skin and breathing of vapor or spray mist.
Close container after each use.
Keep out of the reach of children.

FOR COATINGS, RESINS AND RELATED MATERIALS

(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20)

DATE OF PREP. July 1979

Section I

MANUFACTURER'S NAME Benjamin Moore & Co.

STREET ADDRESS 51 Chestnut Ridge Road

CITY, STATE, AND ZIP CODE Montvale, NJ 07645

TELEPHONE NO. (201) 344-1200

PRODUCT CLASS Solvent Thinned Paint

MANUFACTURER'S CODE IDENTIFICATION 137 00

PRODUCT NAME Weatherproof Aluminum Paint, Ready-Mixed, Heat-Resisting *IGNITABLE*

Section II - HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT	TLV		LEL	VAPOR PRESSURE
		PPM	mg/m ³		
Denatured Spirits	56	100		1.0%	2 mmHg @ 68°F.
Toluene	4	100		1.0%	10 mmHg @ 78°F.

Section III - PHYSICAL DATA

BOILING RANGE 277°F. - 388°F.

VAPOR DENSITY ☒ HEAVIER, ☐ LIGHTER THAN AIR

EVAPORATION RATE ☐ FASTER ☒ SLOWER THAN ETHER

PERCENT VOLATILE BY VOLUME 70

WEIGHT PER GALLON 7.7 lbs.

Section IV - FIRE AND EXPLOSION HAZARD DATA

HAZARD CATEGORY Flammable

FLASH POINT 99°F. P.M.C.C.

LEL 1.0%

EXTINGUISHING MEDIA Foam, dry chemical, CO₂, water spray

ADDITIONAL FIRE AND EXPLOSION HAZARDS

ADDITIONAL FIRE FIGHTING PROCEDURES

Do not use water stream on burning liquid.
Cool exposed containers with water.

Section V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE See Section II
EFFECTS OF OVEREXPOSURE Inhalation - Respiratory irritation and central nervous system effect - Anesthetic.
Skin and eye contact - Primary irritation.

EMERGENCY AND FIRST AID PROCEDURES Inhalation - Remove from hazard area, maintain breathing, call physician.
Eye contact - Flush thoroughly with water. Call physician; Skin contact - Wash with mild soap and water.
If swallowed, do not induce vomiting. Call physician immediately.

Section VI - REACTIVITY DATA

STABILITY ☐ UNSTABLE ☒ STABLE
INCOMPATIBILITY (Materials to avoid)

CONDITIONS TO AVOID

HAZARDOUS DECOMPOSITION PRODUCTS Thermal decomposition may produce carbon monoxide and carbon dioxide.

HAZARDOUS POLYMERIZATION ☐ MAY OCCUR ☒ WILL NOT OCCUR
CONDITIONS TO AVOID

Section VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Remove all sources of ignition. Avoid breathing vapors. Use non-sparking tools to return material to container, absorb residue with Fuller's Earth.

WASTE DISPOSAL METHOD Conventional procedures in compliance with local, state and federal regulations. Do not incinerate sealed containers.

Section VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION Use Bureau of Mines or NIOSH approved respirator specified for protection against paint spray mist and organic vapors in restricted or confined areas.

VENTILATION Adequate to maintain working atmosphere below T.L.V. and L.E.L. (See Section II for ingredient data and concentrations). Mechanical exhaust may be required in confined areas. Discharge exhaust only in area away from ignition sources.

PROTECTIVE GLOVES Required during repeated contact.
EYE PROTECTION Safety glasses to protect against splashes.
OTHER PROTECTIVE EQUIPMENT Clothing adequate to protect skin.

Section IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Flammable - Keep away from heat, sparks and open flame.

OTHER PRECAUTIONS Avoid prolonged contact with skin and breathing of vapor or spray mist.
Use only with adequate ventilation.
Close container after each use.
Keep out of reach of children.

MATERIAL SAFETY DATA SHEET

Ashland Chemical Company

DIVISION OF ASHLAND OIL INC.

P.O. BOX 2219, COLUMBUS, OHIO 43218 • (614) 889-3338

SEP 25 1981

007832

XYLENE

PAGE: 1

ACCEPTED BY O.S.H.A. AS ESSENTIALLY SIMILAR TO O.S.H.A. FORM 20

24-HOUR EMERGENCY TELEPHONE: 800-324-1133 (LOCATED AT ASHLAND, KENTUCKY)

ASHLAND PRODUCT NAME: XYLENE

UNITED SOLVENTS OF AMERICA
P O BOX 1771
SANFORD FLA 32774

DE 50 093 9243460-
DATA SHEET NO: 0004340-002
LATEST REVISION DATE: 03/79-79073
PRODUCT: 2195000
INVOICE: 051425
INVOICE DATE: 08/01/81
TO:

ATTN: PURCHASING/SAFETY DEPT.

SECTION I-PRODUCT IDENTIFICATION

GENERAL OR GENERIC ID: AROMATIC HYDROCARBON
HAZARD CLASSIFICATION: (03) FLAMMABLE LIQUID (173.115)

SECTION II-HAZARDOUS COMPONENTS

INGREDIENT	PERCENT	PEL
XYLENE	100.00%	100 PPM

SECTION III-PHYSICAL DATA

PROPERTY	REFINEMENT	MEASUREMENT
INITIAL BOILING POINT	FOR PRODUCT	279.00 DEG F 137.22 DEG C 760.00 MMHG
VAPOR PRESSURE	FOR PRODUCT	5.10 MMHG 68.00 DEG F 20.00 DEG C
VAPOR DENSITY	AIR = 1	3.6
SPECIFIC GRAVITY		0.872 60.00 DEG F 15.55 DEG C
PERCENT VOLATILES		100.00 %
EVAPORATION RATE	(ETHER = 1)	0.50

SECTION IV-FIRE AND EXPLOSION DATA

FLASH POINT(CLOSED CUP) 80.00 DEG F
(26.66 DEG C)

LOWER EXPLOSIVE LIMIT (PRODUCT) 1.0 %

EXTINGUISHING MEDIA: REGULAR FOAM OR CARBON DIOXIDE OR DRY CHEMICAL

HAZARDOUS DECOMPOSITION PRODUCTS: MAY FORM TOXIC MATERIALS: CARBON DIOXIDE AND CARBON MONOXIDE, VARIOUS HYDROCARBONS, ETC.

SPECIAL FIREFIGHTING PROCEDURES: SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE.

UNUSUAL FIRE & EXPLOSION HAZARDS: VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION AND IGNITED BY PILOT LIGHTS, OTHER FLAMES, SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS, STATIC DISCHARGE, OR OTHER IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT.

NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

SECTION V-HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL: 100 PPM

EFFECTS OF OVEREXPOSURE: FOR PRODUCT

EYES - CAN CAUSE SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION.

SKIN - PROLONGED OR REPEATED CONTACT CAN CAUSE MODERATE IRRITATION, DEFATTING, DERMATITIS.

BREATHING - EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, POSSIBLE UNCONSCIOUSNESS, AND EVEN ASPHYXIATION.

SWALLOWING - CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA. ASPIRATION OF MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.

**MATERIAL SAFETY
DATA SHEET**

Ashland Chemical Company

DIVISION OF ASHLAND OIL, INC.

P.O. BOX 2219, COLUMBUS, OHIO 43216 • (614) 889-3333



007832

XYLENE

PAGE: 2

SECTION V-HEALTH HAZARD DATA (CONTINUED)

FIRST AID:

- IF ON SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. LAUNDRY CONTAMINATED CLOTHING BEFORE RE-USE.
- IF IN EYES: FLUSH WITH LARGE AMOUNTS OF WATER, LIFTING UPPER AND LOWER LIDS OCCASIONALLY, GET MEDICAL ATTENTION.
- IF SWALLOWED: DO NOT INDUCE VOMITING, KEEP PERSON WARM, QUIET, AND GET MEDICAL ATTENTION. ASPIRATION OF MATERIAL INTO THE LUNGS DUE TO VOMITING CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.
- IF BREATHED: IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM, QUIET AND GET MEDICAL ATTENTION.

SECTION VI-REACTIVITY DATA

HAZARDOUS POLYMERIZATION: CANNOT OCCUR
STABILITY: STABLE

INCOMPATIBILITY: AVOID CONTACT WITH: STRONG OXIDIZING AGENTS.

SECTION VII-SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

SMALL SPILL: ABSORB LIQUID ON PAPER, VERMICULITE, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL AND TRANSFER TO HOOD.

LARGE SPILL: ELIMINATE ALL IGNITION SOURCES (FLARES, FLAMES INCLUDING PILOT LIGHTS, ELECTRICAL SPARKS). PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP HAS BEEN COMPLETED. STOP SPILL AT SOURCE, DIKE AREA OF SPILL TO PREVENT SPREADING, PUMP LIQUID TO SALVAGE TANK. REMAINING LIQUID MAY BE TAKEN UP ON SAND, CLAY, EARTH, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL AND SHOVELED INTO CONTAINERS.

WASTE DISPOSAL METHOD:

SMALL SPILL: ALLOW VOLATILE PORTION TO EVAPORATE IN HOOD. ALLOW SUFFICIENT TIME FOR VAPORS TO COMPLETELY CLEAR HOOD DUCT WORK. DESTROY REMAINING MATERIAL BY BURNING IN AN IRON PAN.

LARGE SPILL: DESTROY BY LIQUID INCINERATION. CONTAMINATED ABSORBENT MAY BE DEPOSITED IN A LANDFILL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION VIII-PROTECTIVE EQUIPMENT TO BE USED

RESPIRATORY PROTECTION: IF TLV OF THE PRODUCT OR ANY COMPONENT IS EXCEEDED, A NIOSH/MSHA JOINTLY APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATORS UNDER SPECIFIED CONDITIONS. (SEE YOUR SAFETY EQUIPMENT SUPPLIER). ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

VENTILATION: PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

PROTECTIVE GLOVES: WEAR RESISTANT GLOVES SUCH AS: BUNA-N

EYE PROTECTION: CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA REGULATIONS ARE ADVISED, HOWEVER, OSHA REGULATIONS ALSO PERMIT OTHER TYPE SAFETY GLASSES. (CONSULT YOUR SAFETY EQUIPMENT SUPPLIER)

OTHER PROTECTIVE EQUIPMENT: TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS.

SECTION IX-SPECIAL PRECAUTIONS OR OTHER COMMENTS

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THIS DATA SHEET MUST BE OBSERVED.

OVEREXPOSURE TO MATERIAL HAS APPARENTLY BEEN FOUND TO CAUSE THE FOLLOWING EFFECTS IN LABORATORY ANIMALS: ANEMIA, LIVER ABNORMALITIES, KIDNEY DAMAGE, EYE DAMAGE

OVEREXPOSURE TO MATERIAL HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN HUMANS: CARDIAC ABNORMALITY

THE INFORMATION ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE WHETHER ORIGINATING WITH ASHLAND OR NOT. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.

MATERIAL SAFETY DATA SHEET

Ashland Chemical Company

DIVISION OF ASHLAND OIL, INC.

P.O. BOX 2219, COLUMBUS, OHIO 43216 • (614) 889-3333



DEFINITIONS

THIS DEFINITION PAGE IS INTENDED FOR USE WITH MATERIAL SAFETY DATA SHEETS SUPPLIED BY THE ASHLAND CHEMICAL COMPANY. QUESTIONS CONCERNING THESE SHEETS SHOULD BE DIRECTED TO THE ENVIRONMENTAL AND OCCUPATIONAL SAFETY DEPARTMENT.

SECTION I PRODUCT IDENTIFICATION

PRODUCT CLASS: GENERAL OR GENERIC IDENTIFICATION.

HAZARDOUS CLASSIFICATION: PRODUCT MEETS DOT CRITERIA FOR HAZARDS LISTED.

SECTION II HAZARDOUS COMPONENTS

A HAZARDOUS INGREDIENT IS ONE WHICH MEETS ONE OR MORE OF THE FOLLOWING CRITERIA:

1. IT IS LISTED IN THE ANNUAL REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, OR IT IS KNOWN TO BE TOXIC WITHIN THE PARAMETERS OF THAT REGISTRY.

AND/OR

2. IT HAS A OSHA ESTABLISHED, 8-HOUR TIME-WEIGHTED AVERAGE PERMISSIBLE EXPOSURE LIMIT (PEL) OR ACCEPTABLE CEILING (C), OR AN AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS' (ACGIH) THRESHOLD LIMIT VALUE, AND BY NATURE OF THE PRODUCT OR ITS KNOWN USE, IT IS LIKELY TO BECOME AIRBORNE.

AND/OR

3. IT CONTRIBUTES TO ONE OR MORE OF THE FOLLOWING HAZARDS OF THE PRODUCT:
 - A. FLASHPOINT BELOW 200 DEG F (CC), OR SUBJECT TO SPONTANEOUS HEATING OR DECOMPOSITION.
 - B. CAUSES SKIN BURNS. (DOT)
 - C. STRONG OXIDIZING AGENT. (DOT)
 - D. SUBJECT TO HAZARDOUS POLYMERIZATION.

EACH INGREDIENT MEETING ONE OR MORE OF THE ABOVE CRITERIA IS LISTED IN SECTION II IF PRESENT AT A LEVEL AT LEAST GREATER THAN ONE PERCENT. INGREDIENTS WHICH ARE CLAIMED TO BE CARCINOGENS, TERATOGENS, MUTAGENS, OR CAUSATIVE AGENTS OF OTHER REPRODUCTIVE DISORDERS ARE LISTED IF KNOWN OR BELIEVED TO BE PRESENT, PROVIDED THAT THE DATA SUPPORTING SUCH CLAIMS IS CONSIDERED VALID.

EACH HAZARDOUS INGREDIENT IS LISTED BY CHEMICAL, GENERIC, OR PROPRIETARY NAME. ITS LEVEL IN THE PRODUCT IS EXPRESSED AS 1% OR LESS, 1-10%, 10-30%, 30-60%, OR GREATER THAN 60%, OR BY OTHER MEANS.

SECTION III PHYSICAL DATA

INITIAL BOILING POINT: IF LIQUID AT 68 DEG F.

VAPOR PRESSURE: IF LIQUID AT 68 DEG F OR WHICH SUBLIMES.

VAPOR DENSITY: FOR VOLATILE PORTION OF PRODUCT.

SPECIFIC GRAVITY: IF SPECIFIC GRAVITY OF PRODUCT IS NOT KNOWN, INDICATED AS <1, =1, OR >1.

PERCENT VOLATILES: PERCENTAGE OF MATERIAL WITH INITIAL BOILING POINT BELOW 425 DEG F.

EVAPORATION RATE: INDICATED AS FASTER OR SLOWER THAN ETHYL ETHER, UNLESS STATED.

ADDITIONAL COMMENTS

ASHLAND WISHES TO INFORM YOU THAT SERIOUS ACCIDENTS HAVE RESULTED FROM THE MISUSE OF "EMPTY" CONTAINERS (DRUMS, 1 AND 5 GALLON PAILS, ETC.). REFER TO SECTIONS IV AND IX.

WE RECOMMEND THAT CONTAINERS BE EITHER PROFESSIONALLY RECONDITIONED FOR REUSE BY CERTIFIED FIRMS OR PROPERLY DISPOSED OF BY CERTIFIED FIRMS TO HELP REDUCE THE POSSIBILITY OF AN ACCIDENT. DISPOSAL OF CONTAINERS SHOULD BE IN ACCORDANCE WITH APPLICABLE LAWS AND REGULATIONS. "EMPTY" DRUMS SHOULD NOT BE GIVEN TO INDIVIDUALS.

SECTION IV PRODUCT IDENTIFICATION

FLASH POINT: CLOSED CUP.

LOWER EXPLOSION LIMIT: INDICATED FOR COMPONENT WITH LOWEST VALUE.

HAZARDOUS DECOMPOSITION PRODUCTS: KNOWN HAZARDOUS PRODUCTS RESULTING FROM HEATING, BURNING, ETC., OR REACTED RAW MATERIALS WHICH MAY ARISE THROUGH HEATING, BURNING, ETC.

SPECIAL FIREFIGHTING PROCEDURES: INDICATES EQUIPMENT TO PROTECT FIREMEN FROM TOXIC PROCEDURES OF COMBUSTION OR IF WATER IS NOT TO BE USED.

UNUSUAL FIRE AND EXPLOSION HAZARDS: HAZARDS NOT COVERED BY OTHER SECTIONS OF THIS REPORT ARE SHOWN HERE.

SECTION V HEALTH HAZARD DATA

RECIPIENTS OF THIS DATA SHEET SHOULD CONSULT THE OSHA SAFETY AND HEALTH STANDARDS (29 CFR 1910), PARTICULARLY SUBPART G - OCCUPATIONAL HEALTH AND ENVIRONMENTAL CONTROL, AND SUBPART I - PERSONAL PROTECTIVE EQUIPMENT, FOR GENERAL GUIDANCE ON CONTROL OF POTENTIAL OCCUPATIONAL HEALTH HAZARDS.

PERMISSIBLE EXPOSURE LEVEL: OSHA ESTABLISHED PEL--IF NONE AVAILABLE, ADOPTED VALUE.

EFFECTS OF OVEREXPOSURE: GIVEN IN GENERAL TERMS, LOCAL AND SYSTEMIC EFFECTS TO THE EYES, SKIN, IF MATERIAL IS INHALED, UNLESS NOT APPLICABLE DUE TO PHYSICAL FORM OF PRODUCT.

SECTION VI REACTIVITY DATA

HAZARDOUS POLYMERIZATION: CONDITIONS TO AVOID HAZARDOUS POLYMERIZATION RESULTING IN A LARGE RELEASE OF ENERGY.

STABILITY: CONDITIONS TO AVOID IF UNSTABLE UNDER NORMAL CIRCUMSTANCES.

INCOMPATIBILITY: MATERIALS TO AVOID.

SECTION VII SPILL OR LEAK PROCEDURES

REASONABLE PRECAUTIONS TO BE TAKEN AND THE METHODS OF CLEAN-UP TO BE USED IN THE EVENT OF SPILLAGE OF THE PRODUCT. CONSULT FEDERAL, STATE AND LOCAL REGULATIONS FOR ACCEPTED PROCEDURES AND ANY REPORTING OR NOTIFICATION REQUIREMENTS.

SECTION VIII PROTECTIVE EQUIPMENT TO BE USED

THIS SECTION INDICATES PROTECTIVE EQUIPMENT TO BE USED WHEN HANDLING THE PRODUCT.

SECTION IX SPECIAL PRECAUTIONS OR OTHER COMMENTS

THIS SECTION IS TO COVER ANY RELEVANT POINTS NOT PREVIOUSLY MENTIONED.



SHELL CHEMICAL COMPANY
SHELL DEVELOPMENT COMPANY
SHELL PIPE LINE CORPORATION



MATERIAL SAFETY DATA SHEET

Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act of 1970 and shall not be used for any other purpose. Use or dissemination of all or any part of this information for any other purpose may result in a violation of law and constitute grounds for legal action.

SECTION I

MANUFACTURER'S NAME Shell Chemical Company		EMERGENCY TELEPHONE NO. 713-473-9461
ADDRESS (Number, Street, City, State, and ZIP Code) One Shell Plaza, Houston, Texas 77002		
CHEMICAL NAME AND SYNONYMS Xylene; Dimethyl Benzene; Methyl Toluene		TRADE NAME Shell Xylene
CHEMICAL FAMILY Aromatic Hydrocarbon	FORMULA C₆H₄ (CH₃)₂	

SECTION II. HAZARDOUS INGREDIENTS*

COMPOSITION	%	SPECIES	LD ₅₀		LC ₅₀	
			ORAL	DERMAL	CONCENTRATION	HOUR
PIGMENTS						
CATALYST						
VEHICLE						
SOLVENTS						
ADDITIVES	100	Rat	>5.0 ml/kg		5,000 ppm (approx)	4
OTHERS						
		Rabbit		>2.0 ml/kg		

SECTION III PHYSICAL DATA

BOILING POINT (°F)	281-284	SPECIFIC GRAVITY (H ₂ O=1)	0.871
VAPOR PRESSURE (mmHg)	68°F (20°C)	PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)	3.7	EVAPORATION RATE (____ = 1) nBuAC=1	0.59*
SOLUBILITY IN WATER	Negligible		
APPEARANCE AND ODOR	Light colored liquid with aromatic odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) Tag Closed Cup 80°F	FLAMMABLE LIMITS	Lel	Uel
		1.0	7.0
EXTINGUISHING MEDIA Exclude air - use foam, CO₂, steam, water-fog, dry chemicals.			
SPECIAL FIRE FIGHTING PROCEDURES Do not use water. exclude air, consult local fire marshal.			
UNUSUAL FIRE AND EXPLOSION HAZARDS Vapor forms explosive mixture with air between upper and lower explosion limits.			

*Modified by S.E. H. O. L. C.

*Time (n-butyl acetate)

00 ppm

EXPOSURE
Anesthesia - headache, nausea, dizziness, etc. Liquid moderately irritating to skin and eyes.

EMERGENCY AND FIRST AID PROCEDURES

Remove victim and restore breathing if required. Remove from skin with soap and water. Flush eyes with water.

SECTION VI REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)			
Not applicable			
HAZARDOUS DECOMPOSITION PRODUCTS			
CO, CO ₂ when combusted.			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Avoid open flame or spark sources. Provide adequate ventilation.

WASTE DISPOSAL METHOD

Evaporate or flush with water to an open, well-ventilated area. Use oil sewer if available. Remove to container.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)		
Organic canister mask or air pack		
VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	OTHER
With approved Class D explosion-proof motors and switches.		
PROTECTIVE GLOVES	Normally not required	EYE PROTECTION
OTHER PROTECTIVE EQUIPMENT		conventional eye cover to guard against unexpected splashing.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid open flames and spark sources. Avoid splash-filling. Provide adequate ventilation. Avoid excessive heat.

OTHER PRECAUTIONS

NAME D. M. Sheets

TITLE Supervisor-Product Development-Resins

COMPANY Shell Chemical

SIGNATURE *D. M. Sheets*

DATE October 1971

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

VENDOR ASSUMES NO RESPONSIBILITY FOR INJURY TO VENDEE OR THIRD PERSONS PROXIMATELY CAUSED BY THE MATERIAL IF REASONABLE SAFETY PROCEDURES ARE NOT ADHERED TO AS STIPULATED IN THE DATA SHEET. ADDITIONALLY, VENDOR ASSUMES NO RESPONSIBILITY FOR INJURY TO VENDEE OR THIRD PERSONS PROXIMATELY CAUSED BY ABNORMAL USE OF THE MATERIAL EVEN IF REASONABLE SAFETY PROCEDURES ARE FOLLOWED. FURTHERMORE, VENDEE ASSUMES THE RISK IN HIS USE OF THE MATERIAL.



MATERIAL SAFETY DATA SHEET

TENNECO OIL COMPANY
P O BOX 2511
HOUSTON, TX 77001

MATERIAL Mixed Xylene
DATE OF ISSUE September 1980

I. MATERIAL IDENTIFICATION

MANUFACTURER'S NAME: Tenneco Oil Company
ADDRESS: P.O. Box 2511, Houston, TX 77001
MATERIAL NAME: Mixed Xylenes, Solvent Xylene
SYNONYMS: Dimethylbenzene, Xylol
CHEMICAL FORMULA: $C_6H_4(CH_3)_2$

EMERGENCY TELEPHONE NO. (713) 757-3451
Attn: Special Products Marketing
CAS# 1330-20-7 CODE B815-6527

II. HAZARDOUS INGREDIENTS

MATERIAL	%	HAZARD DATA
O-xylene	10-20	100 ppm TLV, 8 hr TWA Human, Inhalation TC Lo 200 ppm (Irritation) Rat, Oral LD50 4.3 g/kg
M-xylene	40-55	
P-xylene	10-20	
Ethylbenzene	20-25	

III. PHYSICAL DATA

BOILING POINT, 760 mmHg	282°F (138°C)	SOLUBILITY IN H ₂ O, % BY WT	0
SPECIFIC GRAVITY (H ₂ O = 1)	0.865	EVAPORATION RATE (BUTYL ACETATE = 1)	0.6
VAPOR PRESSURE	6.72 mm @ 21°C	MELTING POINT	-
VAPOR DENSITY (AIR = 1)	3.66	MOLECULAR WEIGHT	106.2
VOLATILES, % BY VOLUME	100	RVP @ 100°F	0.4

APPEARANCE AND ODOR: Clear colorless liquid with aromatic hydrocarbon odor.

IV. FIRE AND EXPLOSION DATA

FLASH POINT (TEST METHOD)	AUTOIGNITION TEMP.	FLAMMABILITY LIMITS IN AIR (BY VOLUME)	
81°F Close Cup	867°F	LOWER 1.1%	UPPER 6.6%

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam. Water spray (fog) may be used to cool containers. A water stream may spread flames.

SPECIAL FIRE FIGHTING PROCEDURES: Flammable liquid, Class IC. Vapors can readily form explosive mixtures with air. Heavier than air vapors can flow along surfaces to distant ignition sources and flash back.

UNUSUAL FIRE AND EXPLOSION HAZARD: Fire fighters should use self-contained breathing equipment in enclosed areas.

V. REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY: Is stable in closed containers at room temperature.

INCOMPATIBILITY: Keep away from oxidizing agents, heat, open flame.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide (CO), oxides of nitrogen, toxic vapors and gases while burning.

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: Does not polymerize

VI. HEALTH HAZARD INFORMATION

THRESHOLD LIMIT VALUE (TLV) 100 ppm, 8 hour TWA (435 mg/m³)

ROUTES OF EXPOSURE: Inhalation may cause mild irritation and dizziness. At over 200 ppm Xylene can have an anesthetic effect. Skin contact may produce mild irritation.

EFFECTS OF OVEREXPOSURE: Ingestion may cause poisoning. One ounce or more may be fatal.

FIRST AID:

SKIN:	Wash with soap and water.
EYES:	Flush with water for 15 minutes, consult physician.
INHALATION:	Remove victim to fresh air. Restore breathing if necessary. Get medical attention if symptoms persist or exposure was severe.
INGESTION:	Get medical attention immediately. Do not induce vomiting.

VII. DISPOSAL, SPILL OR LEAK PROCEDURES

SPILL OR LEAK: Eliminate ignition sources, contain in smallest area possible. Provide adequate ventilation if an enclosed area or use respiratory protection. Absorb with sand, dirt or other absorbant material. Do not allow to enter open sewer or drain.

DISPOSAL: Dispose of liquid or absorbing materials by incineration or through a licensed solvent disposal company. Follow federal, state or local regulations.

VIII. SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS: Provide explosion-proof ventilation for local and general purposes to maintain work area below TLV.

PERSONAL PROTECTIVE EQUIPMENT: Use organic vapor respirators for exposures over TLV up to 2000 ppm and self contained breathing equipment for higher or unknown levels.

Neoprene rubber gloves and apron should be worn to prevent skin contact.

Chemical safety goggles should be worn.

IX. SPECIAL PRECAUTIONS

PRECAUTIONARY STATEMENTS: Avoid prolonged or repeated breathing of vapors. Do not ingest. Remove contaminated clothing promptly. Provide medical surveillance for those exposed to Xylene.

OTHER HANDLING AND STORAGE REQUIREMENTS: Store in tightly closed containers, in cool, well ventilated areas. Containers must be electrically bonded and grounded for transfer of liquid. No smoking where material is used or stored.

THIS INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. SUCH INFORMATION IS TO THE BEST OF TENNECO OIL COMPANY'S KNOWLEDGE AND BELIEVED ACCURATE AND RELIABLE AS OF THE DATE INDICATED.

HOWEVER, NO REPRESENTATION, WARRANTY OR GUARANTEE IS MADE AS TO ITS ACCURACY RELIABILITY OR COMPLETENESS. IT IS THE USERS RESPONSIBILITY TO SATISFY HIMSELF AS TO THE SUITABLENESS AND COMPLETENESS OF SUCH INFORMATION FOR HIS OWN PARTICULAR USE.

TENNECO OIL COMPANY - P.O. BOX 2811 HOUSTON, TEXAS 77001

A TENNECO COMPANY

DEPARTMENT OF ENVIRONMENTAL REGULATION

INTEROFFICE MEMORANDUM

For Routing To District Offices And/C Other Than The Addressee	
To: _____	Loctn.: _____
To: _____	Loctn.: _____
To: _____	Loctn.: _____
From: _____	Date: _____

NORTHEAST DISTRICT - JACKSONVILLE

TO: Charlie Biedermann, Hazardous Waste Subsection
 THROUGH: Ernie Frey *EF*
 FROM: Mike Fitzsimmons *MF*
 DATE: September 7, 1982
 SUBJECT: Duval County - HW
 Florida Publishing Company
 Revision to June 23, 1982 Generator Inspection Report

P. 10 02

SEP 10 02

Hazardous Waste

FACILITY INFORMATION: Florida Publishing Company
 One Riverside Avenue
 Jacksonville, FL 32202
 FLD 004070207

APPLICABLE REGULATIONS: Generator, 40 CFR Part 261

FACILITY DESCRIPTION: Florida Publishing Company cleans its newspaper presses with mineral spirits. During the cleaning process, the presses are sprayed with water which mixes with the mineral spirits and waste ink. The mineral spirit/water mixture is poured into a 1000 gallon tank and the heavy contaminants are allowed to settle out. The mineral spirits are decanted and reused to clean the presses until they become so contaminated that they are no longer usable. The unusable mineral spirit waste is collected by Holloway Waste Oil Company every three months. Holloway mixes the mineral spirit waste with waste oil and then sells the mixture to facilities to reuse as a fuel.

The mineral spirit waste has a flash point of 105°F, therefore, it is a hazardous waste by characteristic of its ignitability (D001). Florida Publishing Company generates approximately 300 gallons of unusable mineral spirit waste per quarter.

NARRATIVE EXPLANATION: Florida Publishing Company generates mineral spirit waste which is an ignitable hazardous waste (D001). The mineral spirit waste, however, is not subject to regulation under 40 CFR Parts 262 through 265 or Parts 122 through 124 because it is a Subpart C characteristic waste which is being beneficially reused (Section 261.6(a)(1)).

Charlie Biedermann
September 7, 1982
Page 2

RECOMMENDATION: No further action regarding RCRA Compliance
is recommended.

MF:dr

cc: A. J. Bayer, Florida Publishing Company

HAZARDOUS WASTE INSPECTION REPORT

RECEIVED

JUL 19 '82

Hazardous Waste

FACILITY: American V. Mueller
Division of American Hospital
Supply Corporation
1800 West Commercial Boulevard
Fort Lauderdale, Florida 33309
305/776-4171

EPA ID#: FLD980600829

CONTACT PERSON: Jose I. Mora
Manufacturing Engineer

SURVEY PARTICIPANTS: Doug Loeser of the Florida Department
of Environmental Regulation
Jose Mora and Robert Stolts of
American V. Mueller

FACILITY LATITUDE: 26° 11' 19"
LONGITUDE: 80° 10' 00"

DATE INSPECTION
SCHEDULED FOR: Unscheduled

DATE OF INSPECTION: April 16, 1982

APPLICABLE REGULATIONS: 40 CFR 261.5 Small Quantity Generator

TYPE OF OWNERSHIP: Private

PURPOSE OF INSPECTION: Compliance Monitoring

American Mueller manufactures ring-handled surgical instruments. Hazardous waste is generated from the passivating or cleaning process. The instruments are shipped to Chicago for electroplating. This facility is on sewers. The following is a list of their waste streams, quantities generated and disposition:

- 1) Nitric acid (D002) (D007) - Neutralized and placed into 55 gallon drums. 110 gallons are accumulated prior to neutralization. This is contaminated with sodium dichromate. 30 gallons per month.
- 2) Sodium dichromate (D007) - Rinse water discharged directly to sanitary sewer. This is currently being tested to determine whether it should be placed into drums for disposal as a hazardous waste. 20 pounds per month.

- 3) Chlorothane (F001) - Used in a Vapor degreaser. Spent solvent is placed into 55 gallon drums for disposal. 50 gallons per month.
- 4) Agitene - This is a kerosene-type parts cleaner. It is being tested for flashpoint, (D001). About 15 gallons per month.
- 5) Oakite 90M/Wyandotte FS (D002) (D007) - Neutralized in tank in which it is used and placed into 55 gallon barrel for permanent disposal. These could be contaminated with sodium dichromate. 60 pounds per month. Oakite, since the inspection, has been replaced with Zep Dyna Sol made by the Zep Manufacturing Company.

American Mueller has not yet shipped any hazardous waste. Two (2) 55-gallon barrels of neutralized nitric acid, 85 gallons of neutralized oakite, and 90 gallons of used chlorothane were stored on-site. American Mueller is a small quantity generator as long as no more than 1,000 kg is accumulated and the waste is disposed of in accordance with 40 CFR 261.5. They are very close to the limit now.

No follow-up inspection is necessary.

DL:rr

Address: 1800 W. Commercial Blvd
Ft. Lauderdale, FL 33309

Permit Info.: _____

Type Activity: SOB (Treater-Storer-Disposer-Generator-Transporter)

INSPECTIONS:

Date Advised of Insp. _____

Date of Scheduled Insp. Unscheduled

Date Insp. Completed 16 April 1982

Date Insp. Report Rec'd.
In Tallahassee 19 July 1982

Date Insp. Report Forw'd.
To EPA _____

Date of Reinsp. if necessary _____

Inspected By: Don Decker

Part A-

Application Yes No (circle one)

Date Req'd.	Date Rec'd.	Date Issued/Denied

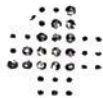
Part B-

Application _____

Comments: Jose I. Mora, Mfg Eng

(use back for additional comments)

OKGEB
CAB
M. KB



DER-WPB	Copy <input checked="" type="checkbox"/> Action A	Route 6
PM	PER.	DATE
SDM	ER.	DATE
PA.	FA	DATE
RA	SAG	DATE
REMARKS:		

July 19, 1982

Mr. Doug Loeser
Florida Department of Environmental Regulation
3301 Gun Club Road
P.O. Box 3858
West Palm Beach, FL 33402

Dear Mr. Loeser:

After going over your Hazardous Waste Inspection Report, I noticed a few items which I would like to clarify:

- 1) Agitene (not Oakite 90M) is the product that has been replaced by Zep Dyna Sol - hence we no longer use Agitene.
- 2) We still use Oakite 90M/Wyandotte FS and are not planning to replace these. These could not be contaminated with Sodium Dichromate since Sodium Dichromate enters the process at later stages (unless by accident which is very unlikely).

Since your inspection, we have shipped three drums of Dow Chlorothene for disposal. These were properly labeled and had a hazardous waste manifest.

Please contact me should you need further information.

Regards,

Jose Mora

Jose Mora
Manufacturing Engineer

cc: Bob Brandys
Tim Kostka
Chuck Albert
Janice Blaha
Bob Jenks
Randy Whitfield
Jack Stewart
Mike Mathews
Bob Stolts

RECEIVED

JUL 28 82

Hazardous Waste

RECEIVED

JUL 21 1982

Dept. of Environmental Reg.
West Palm Beach